Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/27/2017 11:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124031	-1	1.57	123908	1.52
Blue	F	SSC	125000	123392	-2	2.70	123837	2.50
Blue	E	FITC	23355	22521	-4	2.39	1000	10.06
Blue	D	PE	28848	28147	-3	1.87	1010	9.58
Blue	B	PerCP-Cy5-5	47791	46726	-3	3.18	1333	16.70
Blue	A	PE-Cy7	41358	41050	-1	4.86	635	34.71
Red	C	APC	51316	50856	-1	2.83	2933	9.55
Red	A	APC-Cy7	53225	52836	-1	3.02	1096	11.32
Violet	B	V450	14473	13859	-5	5.40	665	9.37
Violet	A	V500	59973	58337	-3	5.17	2579	7.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18570	5.28	605	7	N/A	N/A	Pass
Blue	F	SSC	61332	1.51	537	3	N/A	N/A	Pass
Blue	E	FITC	113	37.49	542	-2	0.0215	116	Pass
Blue	D	PE	221	27.91	537	-1	0.1632	210	Pass
Blue	B	PerCP-Cy5-5	210	44.20	628	-2	0.0104	90	Pass
Blue	A	PE-Cy7	70	115.31	680	-1	0.0124	15	Pass
Red	C	APC	344	27.80	596	2	0.0199	63	Pass
Red	A	APC-Cy7	121	41.57	577	1	0.0056	1943	Pass
Violet	B	V450	80	40.85	472	1	0.0530	2031	Pass
Violet	A	V500	188	23.95	503	2	0.0155	850	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.98	-31.62	0.82
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	16.74	13.27 - 19.91	N/A	N/A	31.98	32.25	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12380

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments